

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2012 Levee Inspection Results

Reclamation District No. 0108 River Farms

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 0108 River Farms

Waterway			Bank	Unit Miles
Unit No. 01 Colusa Basin Drain			Left	20.59
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/26/2012 - 4/26/2012			
DWR Inspector	John Williamson			
Accompanied By	Chad Navarrot RD 108			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0108 River Farms

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Colusa Basin Drain							Left	20.59	04/26/2012 04/26/2012	John Williamson	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	11	
									°	°	
DWR ID: DWR_RD0108_01_s_2012_11											
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	12	
									°	°	
DWR ID: DWR_RD0108_01_s_2012_12											
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	13	
									°	°	
DWR ID: DWR_RD0108_01_s_2012_13											
4	0.05	20.57	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.822748 °	39.033683 °	5	
								-121.796538 °	-121.993093 °	Y	
DWR ID: DWR_RD0108_01_s_2012_5											
5	0.10	20.57	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.823115 °	39.033687 °	7	
								-121.797470 °	-121.993098 °	Y	
DWR ID: DWR_RD0108_01_s_2012_7											
6	5.56	5.56	Earthen Levee	Animal Control	LS A/W	A3 Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.848592 °	38.848592 °	22	
								-121.893017 °	-121.893017 °		
DWR ID: DWR_RD0108_01_s_2012_22											
7	5.57	5.57	Earthen Levee	Animal Control	LS A/W	A3 Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.848688 °	38.848688 °	18	
								-121.893349 °	-121.893349 °		
DWR ID: DWR_RD0108_01_s_2012_18											
8	6.93	6.93	Earthen Levee	Animal Control	WSA/W	A3 Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.864891 °	38.864891 °	10	
								-121.907285 °	-121.907285 °		
DWR ID: DWR_RD0108_01_s_2012_10											
9	7.63	7.63	Earthen Levee	Animal Control	LS A/W	A3 Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.873613 °	38.873613 °	23	
								-121.913853 °	-121.913853 °		
DWR ID: DWR_RD0108_01_s_2012_23											
10	9.99	9.99	Earthen Levee	Animal Control	WSA/W	A3 Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.907854 °	38.907854 °	24	
								-121.914658 °	-121.914658 °		
DWR ID: DWR_RD0108_01_s_2012_24											
11	11.35	11.35	Earthen Levee	Animal Control	LS A/W	A3 Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.927354 °	38.927354 °	25	
								-121.913455 °	-121.913455 °		
DWR ID: DWR_RD0108_01_s_2012_25											
12	14.44	14.51	Earthen Levee	Cracking	LS	C Ma	CR2 : Schedule repair of subsidence prior to the next inspection. Inspector Comments: The crack runs along the shoulder for about 250 feet long. It varies in width from 1 inch to 3 inches.	38.967074 °	38.967712 °	1	
								-121.923146 °	-121.924055 °		
DWR ID: DWR_RD0108_01_s_2012_1											
13	17.29	17.29	Earthen Levee	Animal Control	LS	C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.996005 °	38.996005 °	2	
								-121.960995 °	-121.960995 °		
DWR ID: DWR_RD0108_01_s_2012_2											

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 0108 River Farms

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Colusa Basin Drain						Left	20.59	04/26/2012 04/26/2012	John Williamson	

LMR No.	Levee Mile		Category	Item	Location *	Rating +	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
14	18.88	19.60	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	39.013245 ° -121.980795 °	39.021302 ° -121.988557 °	6 Y
								DWR ID: DWR_RD0108_01_s_2012_6		
15	19.16	19.16	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2011: Toe scour at the bottom of a steep bank, large sections of the toe are sliding down. Erosion may be due to the upstream bend. [2011 Site ID: CBD_19-2_L]	39.016727 ° -121.985411 °	39.017516 ° -121.986374 °	3 Y
								DWR ID: DWR_RD0108_01_s_2012_3		
16	19.27	19.27	Earthen Levee	Vegetation	WS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Arundo	39.017443 ° -121.985710 °	39.017443 ° -121.985710 °	9
								DWR ID: DWR_RD0108_01_s_2012_9		

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Levee Inspection Report By Mile - Spring 2012

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.59	04/26/2012 04/26/2012	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.05
End Levee Mile	20.57
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The grasses are taller than 12". Photo taken spring 2012.	
johngw_s_20120430_736.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.10
End Levee Mile	20.57
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The grasses are taller than 12". Photo taken spring 2012.	
johngw_s_20120430_737.jpg	



Levee Mile Report Line	14
Start Levee Mile	18.88
End Levee Mile	19.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Ag. ditch	
johngw_s_20120313_282.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Colusa Basin Drain	Left	20.59	04/26/2012 04/26/2012	John Williamson

Levee Mile Report Line	14
Start Levee Mile	18.88
End Levee Mile	19.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Ag ditch along toe of landside. Photo taken fall 2011.

johngw_s_20120313_283.jpg



Levee Mile Report Line	15
Start Levee Mile	19.16
End Levee Mile	19.16
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

johngw_s_20120313_280.jpg



Levee Mile Report Line	15
Start Levee Mile	19.16
End Levee Mile	19.16
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

johngw_s_20120313_281.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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